



TORQ Analysis of Packaging and Filling Machine Operators and Tenders to Machine Feeders and Offbearers

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Packaging and Filling Machine Operators and Tenders	51-9111.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Machine Feeders and Offbearers	53-7063.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

88

Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		<div><div></div></div> 92		Level		<div><div></div></div> 81		Level		<div><div></div></div> 89	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Rate Control	44	3	56	No Skills Upgrade Required!				No Knowledge Upgrades Required!			
Arm-Hand Steadiness	44	2	65								

LEVEL and IMPT (IMPORTANCE) refer to the Target Machine Feeders and Offbearers. GAP refers to level difference between Packaging and Filling Machine Operators and Tenders and Machine Feeders and Offbearers.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers	Importance
Arm-Hand Steadiness	42	44	65
Control Precision	60	53	65
Manual Dexterity	53	46	59
Multilimb Coordination	48	46	59
Reaction Time	60	48	59
Near Vision	60	46	59
Problem Sensitivity	48	39	56
Finger Dexterity	55	46	56
Rate Control	41	44	56
Oral Comprehension	44	42	53
Information Ordering	42	39	53



Perceptual Speed	73	44	53
Trunk Strength	50	44	53
Oral Expression	44	42	50
Deductive Reasoning	44	37	50
Inductive Reasoning	46	37	50
Category Flexibility	50	39	50
Flexibility of Closure	57	41	50
Selective Attention	60	44	50
Static Strength	60	46	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers	Importance
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers	Importance

Experience & Education Comparison					
Related Work Experience Comparison			Required Education Level Comparison		
Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers	Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers
10+ years	0%	0%	Doctoral	0%	0%
8-10 years	0%	0%	Professional Degree	0%	0%
6-8 years	14%	0%	Post-Masters Cert	0%	0%
4-6 years	0%	0%	Master's Degree	0%	0%
2-4 years	0%	0%	Post-Bachelor Cert	0%	0%
1-2 years	0%	8%	Bachelors	0%	0%
6-12 months	54%	0%	AA or Equiv	14%	7%
3-6 months	0%	11%	Some College	0%	0%
1-3 months	0%	3%	Post-Secondary Certificate	0%	8%
0-1 month	5%	26%	High School Diploma or GED	71%	61%
None	25%	48%	No HSD or GED	13%	22%
Packaging and Filling Machine Operators and Tenders			Machine Feeders and Offbearers		
Most Common Educational/Training Requirement:					
Short-term on-the-job training			Short-term on-the-job training		
Job Zone Comparison					
2 - Job Zone Two: Some Preparation Needed			1 - Job Zone One: Little or No Preparation Needed		
Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.			No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before.		



These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

Tasks

Packaging and Filling Machine Operators and Tenders

Core Tasks

Generalized Work Activities:

- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Evaluating Information to Determine Compliance with Standards - Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.
- Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and solve problems.
- Scheduling Work and Activities - Scheduling events, programs, and activities, as well as the work of others.

Specific Tasks

Occupation Specific Tasks:

- Adjust machine components and machine tension and pressure according to size or processing angle of product.
- Attach identification labels to finished packaged items, or cut stencils and stencil information on containers, such as lot numbers or shipping destinations.
- Clean and remove damaged or otherwise inferior materials to prepare raw products for processing.
- Clean packaging containers, line and pad crates, or assemble cartons to prepare for product packing.
- Clean, oil, and make minor adjustments or repairs to machinery and equipment, such as opening valves or setting guides.

Machine Feeders and Offbearers

Core Tasks

Generalized Work Activities:

- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Specific Tasks

Occupation Specific Tasks:

- Add chemicals, solutions, or ingredients to machines or equipment as required by the manufacturing process.
- Clean and maintain machinery, equipment, and work areas to ensure proper functioning and safe working conditions.
- Fasten, package, or stack materials and products, using hand tools and fastening equipment.
- Identify and mark materials, products, and samples, following instructions.
- Inspect materials and products for defects, and to ensure conformance to specifications.
- Load materials and products into machines and equipment, or onto conveyors, using hand tools and moving devices.
- Open and close gates of belt and pneumatic conveyors on machines that



- Count and record finished and rejected packaged items.
- Inspect and remove defective products and packaging material.
- Monitor the production line, watching for problems such as pile-ups, jams, or glue that isn't sticking properly.
- Observe machine operations to ensure quality and conformity of filled or packaged products to standards.
- Package the product in the form in which it will be sent out, for example, filling bags with flour from a chute or spout.
- Regulate machine flow, speed, or temperature.
- Remove finished packaged items from machine and separate rejected items.
- Secure finished packaged items by hand tying, sewing, gluing, stapling, or attaching fastener.
- Sort, grade, weigh, and inspect products, verifying and adjusting product weight or measurement to meet specifications.
- Stack finished packaged items, or wrap protective material around each item and pack the items in cartons or containers.
- Start machine by engaging controls.
- Stock and sort product for packaging or filling machine operation, and replenish packaging supplies, such as wrapping paper, plastic sheet, boxes, cartons, glue, ink, or labels.
- Stop or reset machines when malfunctions occur, clear machine jams, and report malfunctions to a supervisor.
- Supply materials to spindles, conveyors, hoppers, or other feeding devices and unload packaged product.
- Tend or operate machine that packages product.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- attach or mark identification onto products or containers
- clean equipment or machinery
- examine products or work to verify conformance to specifications
- grade, classify, or sort products according to specifications
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain consistent production quality
- maintain or repair industrial or related equipment/machinery
- maintain production or work records

products conveyed on machines that are fed directly from preceding machines.

- Push dual control buttons and move controls in order to start, stop, or adjust machinery and equipment.
- Record production and operational data, such as amount of materials processed.
- Remove materials and products from machines and equipment, and place them in boxes, trucks or conveyors, using hand tools and moving devices.
- Shovel or scoop materials into containers, machines, or equipment for processing, storage, or transport.
- Transfer materials and products to and from machinery and equipment, using industrial trucks or hand trucks.
- Weigh or measure materials or products to ensure conformance to specifications.

Detailed Tasks

Detailed Work Activities:

- attach or mark identification onto products or containers
- clean equipment or machinery
- clean rooms or work areas
- examine products or work to verify conformance to specifications
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain production or work records
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate hoist, winch, or hydraulic boom
- perform safety inspections in manufacturing or industrial setting
- sort manufacturing materials or products
- use hand or power tools

Technology - Examples



- measure, weigh, or count products or materials
- monitor production machinery/equipment operation to detect problems
- operate packaging or banding machine or equipment
- package goods for shipment or storage
- perform safety inspections in manufacturing or industrial setting
- stock or organize goods
- test manufactured products or materials
- wrap products

Technology - Examples

Data base user interface and query software

- Data entry software

Electronic mail software

- Email software

Label making software

- Label printing software

Spreadsheet software

- Spreadsheet software

Word processing software

- Word processing software

Tools - Examples

- Adjustable wrenches
- Dial calipers
- Desktop computers
- Industrial platform scales
- Forklifts
- Glue guns
- Claw hammers
- Handtrucks
- Pallet jacks
- Label-making machines
- Powered roll lifts
- Locking pliers
- Pallet movers
- Personal computers
- Power drills



- Box cutters
- Scanners
- Phillips head screwdrivers
- Industrial sewing machines
- Power staple guns
- Stencils
- Step stools
- Measuring tapes
- Space measuring gauges
- Utility knives
- Wire brushes

Labor Market Comparison

Description	Packaging and Filling Machine Operators and Tenders	Machine Feeders and Offbearers	Difference
Median Wage	\$ 24,800	\$ 26,820	\$ 2,020
10th Percentile Wage	\$ 17,150	\$ 19,120	\$ 1,970
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 29,350	\$ 29,840	\$ 490
90th Percentile Wage	\$ 41,440	\$ 35,200	\$(6,240)
Mean Wage	\$ 26,470	\$ 26,870	\$ 400
Total Employment - 2007	1,710	480	-1,230
Employment Base - 2006	1,787	485	-1,302
Projected Employment - 2016	1,569	378	-1,191
Projected Job Growth - 2006-2016	-12.2 %	-22.1 %	-9.9 %
Projected Annual Openings - 2006-2016	33	9	-24

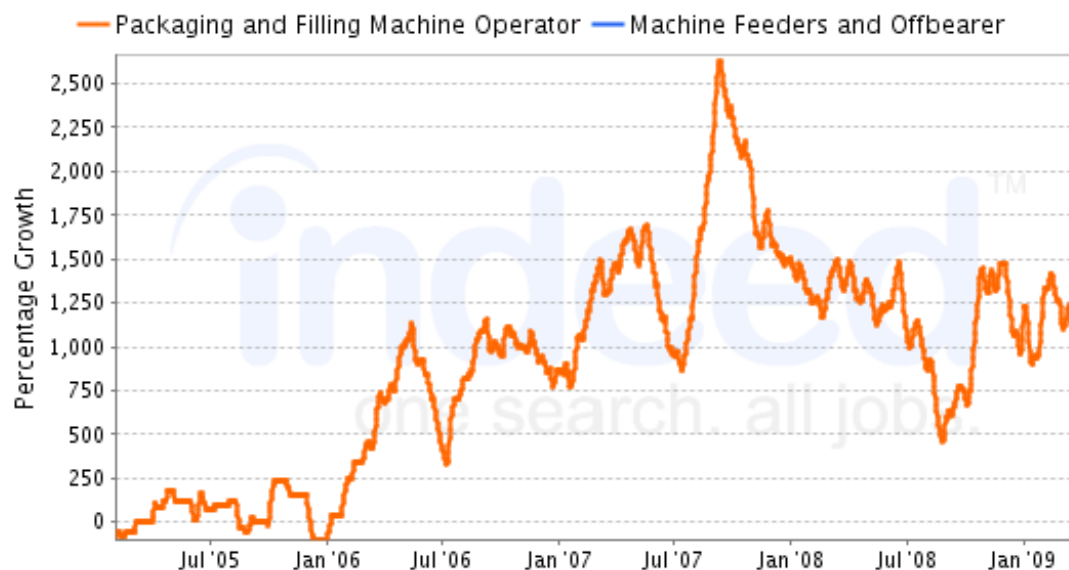
National Job Posting Trends

Trend for Packaging and Filling Machine Operators and Tenders

Trend for Machine Feeders and Offbearers



Job Trends from Indeed.com



Data from [Indeed](http://Indeed.com)

Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Packaging and Filling Machine Operators and Tenders

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
51-9111.00	Packaging and Filling Machine Operators and Tenders	100	2	1,710	\$24,800.00	\$0.00	-12%	33
53-7063.00	Machine Feeders and Offbearers	88	1	480	\$26,820.00	\$2,020.00	-22%	9
51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	88	2	850	\$38,860.00	\$14,060.00	-26%	19
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	88	2	910	\$38,230.00	\$13,430.00	-26%	23
51-6064.00	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	87	3	290	\$25,840.00	\$1,040.00	0%	0



51-9032.00	Cutting and Slicing Machine Setters, Operators, and Tenders	87	2	710	\$31,350.00	\$6,550.00	-23%	12
51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	87	2	260	\$28,330.00	\$3,530.00	-7%	5
51-2031.00	Engine and Other Machine Assemblers	87	3	20	\$29,010.00	\$4,210.00	-45%	1
51-5021.00	Job Printers	87	3	140	\$31,890.00	\$7,090.00	-10%	2
51-4122.00	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	87	2	120	\$36,960.00	\$12,160.00	2%	3
51-4023.00	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	86	2	0	\$33,460.00	\$8,660.00	0%	0
51-9051.00	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	86	2	300	\$32,980.00	\$8,180.00	-18%	9
51-6062.00	Textile Cutting Machine Setters, Operators, and Tenders	85	3	110	\$24,860.00	\$60.00	-13%	4
51-9191.00	Cementing and Gluing Machine Operators and Tenders	85	1	80	\$27,620.00	\$2,820.00	-15%	2
51-4191.00	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	84	2	40	\$32,470.00	\$7,670.00	-6%	1

Top Industries for Machine Feeders and Offbearers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Printing and related support activities	323100	8.45%	12,487	8,904	-28.69%
Newspaper publishers	511110	6.58%	9,719	7,493	-22.90%
Converted paper product manufacturing	322200	6.30%	9,315	7,036	-24.47%
Other wood product manufacturing	321900	5.62%	8,311	7,048	-15.19%



Plastics product manufacturing	326100	4.99%	7,369	7,030	-4.60%
Sawmills and wood preservation	321100	4.82%	7,129	5,144	-27.84%
Veneer, plywood, and engineered wood product manufacturing	321200	4.54%	6,716	6,582	-2.00%
Animal slaughtering and processing	311600	3.07%	4,541	4,664	2.71%
Pharmaceutical and medicine manufacturing	325400	2.77%	4,088	4,637	13.42%
Bakeries and tortilla manufacturing	311800	2.52%	3,716	3,417	-8.07%
Coating, engraving, heat treating, and allied activities	332800	1.91%	2,829	2,087	-26.23%
Pulp, paper, and paperboard mills	322100	1.76%	2,595	1,620	-37.57%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.62%	2,389	1,949	-18.40%
Household and institutional furniture manufacturing	337120	1.43%	2,112	1,447	-31.52%
Glass and glass product manufacturing	327200	0.98%	1,450	1,139	-21.48%

Top Industries for Packaging and Filling Machine Operators and Tenders

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Employment services	561300	15.91%	61,399	69,938	13.91%
Fruit and vegetable preserving and specialty food manufacturing	311400	6.27%	24,207	19,753	-18.40%
Pharmaceutical and medicine manufacturing	325400	5.30%	20,448	23,193	13.42%
Beverage manufacturing	312100	5.21%	20,102	16,990	-15.48%
Animal slaughtering and processing	311600	4.44%	17,134	17,599	2.71%
Other food manufacturing	311900	4.04%	15,606	14,726	-5.63%
Plastics product manufacturing	326100	4.03%	15,570	14,854	-4.60%
Bakeries and tortilla manufacturing	311800	3.58%	13,834	12,718	-8.07%
Soap, cleaning compound, and toilet preparation manufacturing	325600	3.46%	13,344	11,539	-13.53%
Other support services	561900	3.44%	13,269	16,360	23.29%
Dairy product manufacturing	311500	3.40%	13,143	11,702	-10.96%
Grocery and related product wholesalers	424400	2.79%	10,767	10,596	-1.59%
Warehousing and storage	493100	1.86%	7,173	8,622	20.21%
Grain and oilseed milling	311200	1.80%	6,939	5,446	-21.51%
Sugar and confectionery product manufacturing	311300	1.63%	6,276	4,758	-24.20%